BENGALURU METROPOLITAN TRANSPORT CORPORATION

Central Offices:: Shanthinagar:: Bangalore

Proceedings of the Pre-Bid meeting held on 23.02.2024 regarding supply of 820 Nos. new BS-VI diesel Fuelled fully built city type buses to Bangalore Metropolitan Transport Corporation (BMTC)

Tender No :BMTC/2023-24/IND 0052/CALL 2 Dated. 21 .02.2024

Present:

Sl. No.	Committee Members
1	Chief Mechanical Engineer, BMTC
2	Controller of Stores & Purchase, BMTC
3	Chief Accounts Officer, BMTC

Sl No	Companies
1	M/s.Ashok Leyland Private Limited
2	M/s. Tata Motors Ltd.,

The Chief Mechanical Engineer, BMTC welcomed the committee members and also the representatives of the companies and informed that the Tender No :BMTC/2023-24/IND 0052/CALL-2 Dtd.21.02.2024 was floated for supply of 820 Nos. new BS-VI diesel Fuelled fully built city type buses to Bangalore Metropolitan Transport Corporation (BMTC)

The queries submitted by the firms and the decision of BMTC are as under:

Sl. No.:	Clause No	Page No.:	Tender clause description	Request for change/ clarification for	Decision of BMTC
			M/s. Ashok Leyland Private Limited.,		
1	(A) , 1 Chassis Important		Complete set of Type Approval Certificate (TAC) with Annexure-II having the details of Chassis Dimensions, Aggregates as per Table-7 of AIS-007 applicable for model / specific variants offered by the Tender should be uploaded	The bidder should submit the type approval certificate of offered model along with Table 7 and Table 11	The Bidder should submit type approval certificate of offered model along with Table 7, 11 and 13
2	1 Dimensions of Chassis (Single Deck) in mm.		Front overhang should be accommodating front door of size 864mm clear aperture ahead of front axle, FOH should be minimum of 32% of wheelbase.	Request authority to consider Minimum Front overhang (FOH) of Minimum 35% of wheel base considering better leg space for passengers can be offered for same seating capacity of 41 passengers with maximum ingress/egress in gangway.	Front overhang should be accommodating front door of size 864mm clear aperture ahead of front axle, FOH should be minimum 35% of wheelbase.
3	2 Chassis		h) Rugged Tow hooks should be provided at front of the chassis.	Rugged Tow hooks / Pin should be provided at front of the chassis.	Agreed

4	Clause No: 3 Engine	Page 2 of 52	a) The front mounted internal combustion engine shall be four stroke of HINO /CUMMINS/ EICHER make or equivalent, six cylinder, compression ignition, that runs on high speed diesel oil equipped with common rail direct injection high pressure pump and controlled by ECU's, conforming to BS-VI emission standard.	a) Our Engines are Ashok Leyland Make. Request to kindly amend this clause.	a) The front mounted internal combustion engine shall be four stroke of Ashok Leyland/Tata CUMMINS/ EICHER make or equivalent, six cylinder, compression ignition, that runs on high speed diesel oil equipped with common rail direct injection high pressure pump and controlled by ECU's, conforming to BS-VI emission standard.
5	4 Air intake system		b) The system shall have air leakage and filter choke up indicator mechanism, on Dash board for easy observation by O&M staff.	The air intake system is a proprietary item and shall have filter choke up indicator mechanism, on Dash board for easy observation by O&M staff. Air leakage on clean side intake is not available and possible. In case of air leakage in clean side, engine will stall and torque will reduce which are indicators.	The system shall have air filter chokeup indicator mechanism on dash board for easy observation by O & M Staff.
6	15, e Steering		Steering reservoir should be transparent type having upper and lower limit of oil and should be located at suitable place for easy maintenance and proper opening to be provided in top most area of Dashboard for easy top-up, after bus body building. Reservoir cap should be clamped with chain or plastic cord.	Steering reservoir will be located on chassis as per OEM design in line with earlier supplies to BMTC.	Steering reservoir should be located as per OEM design
7	17 Brakes		c) Graduated type hand control valve shall be provided on the right hand side of the Driver (which shall be easily accessible to Driver) mounted on floor, with Hand Brake system operating with actuators on rear wheels. d) D.D unit, Automatic Slack Adjuster, Relay valve and other necessary valves be provided for proper functioning of front & rear brakes.	c) Graduated type hand control valve shall be located on Right hand side of driver on dashboard/floor which is easily accessible to driver as per manufacturer design d) Air drier unit shall be as per OEM design with ASP Plus	Agreed
8	18 Fuel & Adblue Tank		b) Fuel tank should be provided with locking system and should be mounted with three brackets. c) The AD blue tank, if provided should have filling capacity of Maximum 60 ltrs and also top-up level indication on the tank be provided.	b) Fuel tank mounting will be as per manufacturer design with Minimum two bracket design. c) The top-level indication of AD Blue tank shall be provided in digital instrument cluster.	b) Fuel tank should be provided with locking system and should be mounted with minimum two brackets. c) The AD blue tank, if provided should have filling capacity of maximum 60 ltrs and also top-up level indication be provided in digital instrument cluster or on the tank.

9	21 Instrument panel		a) Battery indicator displaying volts / Voltmeter / Ammeter, Temperature gauge, Engine oil pressure gauge / low oil pressure warning lamp, Urea level gauge, %age soot accumulation indication, Engine RPM Meter of tamper proof type and temperature alert (buzzer). Real time KMPL to be displayed. c) Warranty to be provided for Instrument Cluster Unit up to 5 years.	Following to be amended: 1. % soot accumulation indication cannot be provided in instrument cluster. Soot indication will be provided in instrument cluster (Regeneration indication will pop up in the cluster if soot exceed the permissible limit) 1. Battery voltage instead of battery charging current shall be displayed in cluster in line with earlier supplies to BMTC.	a) Aesthetically designed Instrument panel should consists of speedo meter with km counter, Air pressure Gauge, Flashing-Side indicator and switch, Warning lamp/buzzer for low air pressure, charging of batteries, starter switch, Dipper switch, Battery voltage to be displayed /Voltmeter/Ammeter, temperature guage, engine oil pressure guage/low oil pressure warning lamp, urea level gauge, indication of soot accumulation, engine RPM meter of tamper proof type and temperature alert (buzzer). Real time KMPL shall also be displayed.
10	B. General Conditions c. Documents to be furnished along with the Tender:		Documents to be furnished along with the Tender: 1) The Tender documents shall include one copy of operator's manual, specification card and workshop manual for all the models offered in the tender. 2) Publication of specifications for each model offered in the tender. 3) Manufacturer's chassis drawing including large scale drawings for use of bus body builders. 4) Periodicity for replacement of all types of lubricants along with recommended specification and filters with part numbers. 5) List of Authorized dealers. 6) Enlarged drawing showing front end, steering, engine units etc.	Kindly allow submission of these said documents along with Prototype bus and not at the time of Bid submission. The File sizes are huge specially for operator manual and workshop manual and cannot be uploaded in portal. We can submit in Pen Drive or CD/Hardcopy at the time of Proto Delivery.	Agreed

11	B. General Conditions D. Other Terms and conditions:		1) OEM should furnish a comparison chart showing the differences between the earlier supplied and about to supply bus model listing all the modifications/ technology differences made in the spares/sub-assemblies/ assemblies for having better knowledge and to perform effective maintenance. (Before / After Tender) 2) An authenticated copy on periodicity for replacement of all types of lubricants & filters are to be provided along with necessary specifications of the bus model. 3) An authenticated copy on the specification including make, model/ type, capacity along with part no's to be provided for all spares, sub-assemblies/ assemblies of the bus model. 4) OEM should provide detailed technical specification consisting of physical/ chemical properties for lubricants recommended.	Request to Kindly clarify if these documents have to be submitted along with Tender or after award of contract. Since this is a short term tender and due to shortage of time for bid submission, we request to kindly allow submission of these at the time of prototype delivery.	Agreed
12	4	13	BODY MOUNTING: The Cross Bearers be mounted on the chassis.. M.S. End Plates of size 75 x 125 x 6mm thickness be fully welded on both ends of channels for mounting of Main and Stump pillars	Requesting authority to modify the technical specification as 75 x 150 x 6mm – Since this is available as standard size and sufficient for take care of robust of the body, proven design in line with earlier supplies	M.S.End plate of 75X150X6mm be provided
13	40	35	ACCESSORIES : d) Three Nos. dry powder type fire extinguisher of 6 + 2 + 2 Kgs / 6+4kgs totaling to 10 kgs capacity conforming to IS:2171:1985 (tested for 30 kg f/cm2) be fitted with holding bracket.	Three Nos. dry powder type fire extinguisher of 6 + 2 + 2 Kgs / Two nos. of 6+4kgs totaling to 10 kgs capacity conforming to IS:2171:1985 (tested for 30 kg f/cm2) be fitted with holding bracket.	Request has been already considered in tender document
14	IV	9 OF 10	1) The Service provider shall maintain their own server from which the data shall be pushed to BMTC ITS application through Application Programming Interface (API). Further, all necessary software's required for integration shall be maintained by the service provider.	BMTC will be required to provide their Server. We will be able to do 3rd party Integration to BMTC Server.	The Server space will be provided by BMTC in Karnataka State Data Center. The Service provider shall deploy and maintain necessary software, licenses and subscriptions. The data shall be integrated with BMTC ITS Application through Application Programming Interface (API). All the necessary software required for integration shall be maintained by the service provider through out the contract period.

15	IV	9 OF 10	6) 4G & above SIM card for both ATD and mNVR to be provided by vendor along with data plan [ATD device (4G & above)-500 MB minimum per month and for mNVR (4G & above)-2 GB minimum per month]	BMTC to bear the data plan charges. Putting the scope of data plan charges onto bidder will increase the quoted price of buses exorbitantly.	6) 4G & above SIM card for both ATD and mNVR will provided by BMTC along with data plan [ATD device (4G & above)-500 MB minimum per month and for mNVR (4G & above)-2 GB minimum per month]
16	16.6	12	The Tenderer shall upload in the e-procurement portal certificate of approval of chassis/fully built buses. Declaration-I, Declaration-II, Declaration-III, Declaration-IV, Authorization form, Certificate of Registration/ Certificate of Incorporation. CA Certificate (Verification certificate from the Chartered Accountant) Audited Statement of Accounts i.e., Profit and Loss Account & Balance Sheets for the two years, Annual GST returns acknowledged by the concerned Commercial Tax Officer for the two years, previous supply details, Power of Attorney, Fuel Performance guarantee undertaking, Antiblack listing certificate, adherence to environmental management system, compliance to technical specifications etc in support of prequalification. The documents (wherever applicable) should be completed in all respects (duly filled, sealed and signed) should be uploaded.	For Bidders who had participated in Call 1 of this tender which is Tender No: BMTC/2023- 24/IND0052, we request Authority to kindly consider the same Declarations on Stamp Paper Mainly the Declaration 1, Declaration 2, Declaration 3, Declaration 4 and Declaration 5 including the Power of Attorney, Fuel Guarantee Form and the CA Certified Turnover Statements (As per format) of Chassis Manufacturer and Bus Body Builders. A separate undertaking can be submitted by the bidder along with their bus body builders in their letter head for each of these declarations extending those declarations to this tender BMTC/2023-24/IND 0052/CALL-2.	Adhere to tender condition. Please refer the tender document uploaded on 21.02.2024
M/s. Tata Motors Ltd.,					
17	RFP DOCUMENT Point 19.1 - Assignment	Page 28	The Supplier shall not assign, in whole or in part, its obligations to perform under the Contract, except with the Purchaser's prior written consent.	Please insert the line "however, the supplier shall be allowed to get the performance from its Authorised dealer/Channel Partner without seeking any prior approval/ consent from the Purchaser."	Adhere to tender condition. Please refer the tender document uploaded on 21.02.2024

18	RFP DOCUMENT Point 22.1 - Liquidated Damages	Page 28	Subject to GCC Clause 24, if the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to 0.5% of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of 10% of the Contract Price. Once the maximum is reached, the Purchaser may consider termination of the Contract pursuant to GCC Clause 23.	Please amend this with maximum deduction of 5%.	Adhere to tender condition. Please refer the tender document uploaded on 21.02.2024
19	RFP DOCUMENT Point 4.1 - Incidental Services (GCC Clause 12)	Page 35	Lifetime upgradation/ renewal of software or tech tool is to be done by successful bidder on free of cost basis with be with life time validity.	Please amend this with up to warranty period i.e. 3 years.	Adhere to tender condition. Please refer the tender document uploaded on 21.02.2024
20	RFP DOCUMENT Point 4.2 - GUARANTEE ON FUEL PERFORMANCE	Page 35,	a) The BS-VI fully built bus supplied under this tender shall achieve a target HSD KMPL of 4.14 and the shortfall in the KMPL performance of these buses will be calculated as described at below point. b)The KMPL achieved by the buses which are less than the targeted KMPL are referred as low KMPL buses and details of such low KMPL buses will be communicated to OEM periodically i.e. 15th of every month by the respective zones/ Central Offices for the purpose of improving the fuel performance. c) The Supplier shall also keep watch on the fuel performance of buses after the fixation of target KMPL and collect information periodically through its field executives from the divisions, where the buses are deployed and operated, for the purpose of monitoring the KMPL and also to attend to such vehicles whose fuel performance is less than the target fixed.	Request to amend as below KMPL Target setting 1) Instead of KMPL Target setting, we propose to fix it for each year individually. For this last 3 Months KMPL performance Data of Min & Max KMPL achieved for the division, to be considered jointly by BMTC and OEM for fixing the target. Average KMPL for the last 3 months to be calculated for each division and Average KMPL with more than 10% Variation vehicles to be considered as Low KMPL buses. 2) KMPL Penalty to be calculated on average KMPL of all 820 buses of this tender. 3) Request to modify target HSD KMPL to 4 KMPL.	Adhere to tender condition. Please refer the tender document uploaded on 21.02.2024

			e) At the end of the warranty period of each bus, the cumulative KMPL of the bus will be worked out and the cumulative HSD KMPL performance of all the buses in the zones at the end of the warranty period will be compared with the targeted KMPL and if the cumulative KMPL is less by 2% or more compared to the Targeted HSD KMPL, the Corporation will have the right to invoke the "Guarantee on fuel performance clause" to recover the cost of excess consumption of HSD due to low fuel performance during the warranty period from the Security Deposit or from any pending amount with the Corporation		
21	RFP DOCUMENT Point 7 - Settlement of Disputes	Page 37	Dispute Resolution: If any dispute arises in the matter concerning with the tender or agreement terms the decision of the Managing Director, BMTC shall be final and binding. In case of any litigation in the matter concerning with the tender or agreement terms the same shall lie within the jurisdiction of civil courts only at Bengaluru City".	It is requested that a three arbitrator panel may adjudicate the disputes, out which one arbitrator may be appointed by each party and the third presiding arbitrator may be appointed by such arbitrators mutually and as per Arbitration and Conciliation Act. Please amend this with Mumbai.	Adhere to tender condition. Please refer the tender document uploaded on 21.02.2024
22	RFP DOCUMENT SECTION V: SCHEDULE OF REQUIREMENTS	Page 41,	Delivery Schedule: The successful Tenderers has to supply the ordered quantity as per the tentative delivery schedule mentioned below by BMTC or as per the revised delivery schedule if any, furnished by BMTC. Sl No Month and year No. of buses 1 LoI M 2 Delivery of proto type M+30 days 3 Delivery of first lot of 19 buses M+45 days 4 Delivery of second lot of 200 buses M+120 days 5 Delivery of third lot of 200 buses M+150 days 6 Delivery of fourth lot of 200 buses M+180 days 7 Delivery of fifth lot of 200 buses M+210 days Total 820 Buses	Request to amend the delivery of prototype to M+60 days & subsequent milestones basis the same. This is required to get the ARAI certificate of fully built bus with AIS-153 norms.	Adhere to tender condition. Please refer the tender document uploaded on 21.02.2024

23	RFP DOCUMENT , Point 4 - QUALIFICATION CRITERIA - PAST EXPERIENCE For Chassis Manufacturer	Page 42	Tenderer must have manufactured, tested, supplied the chassis or fully built buses up to at least 80% of the tendered quantity i.e., 656 Nos (80% of 820 Nos) chassis or fully built buses in any one of the last three financial years. i.e.2020-21, 2021- 22 and 2022-23.	This clause is to ensure the manufacturing capacity of the OEM. We have manufactured and supplied similar chassis to different STUs. Therefore request the point to be amended as the Tenderer must have manufactured, tested, supplied the Similar chassis or fully built buses upto at least 80% of the tendered quantity cumulative in the last three financial years. Supply of Similar chassis point is also mentioned in KPPP portal and BMTC tender commercial terms Page no 10, Clause no 11.2 (b)(ii) Details of experience and past performance of the tenderer on equipment offered and on those of similar nature within the past three years and details of current contracts in hand and other commitments.	Adhere to tender condition. Please refer the tender document uploaded on 21.02.2024
24	RFP DOCUMENT , Point 4 - QUALIFICATION CRITERIA - PAST EXPERIENCE For bus body builder	Page 43	PAST EXPERIENCE: The Bus Body Builder must have constructed, supplied buses at least up to 25% of the tendered quantity i.e., 205 Nos (25% of 820 Nos) of fully built buses in any one of the last three financial years i.e.2020-21, 2021-22 and 2022-23.	The Bus Body Builder must have constructed, supplied Similar buses at least up to 25% of the tendered quantity i.e., 205 Nos (25% of 820 Nos) of fully built buses in any one of the last five financial years i.e (2018-19, 2019-20, .2020-21, 2021-22 and 2022-23)because 2020-2021 and 2021-2022 were affected due to covid-19. or Cumulative of 205 nos of fully built buses in last three financial years i.e.2020-21,	Adhere to tender condition. Please refer the tender document uploaded on 21.02.2024

25	Annexure-D TECHNICAL SPECIFICATIONS , Point 1 - CHASSIS Dimensions of Chassis (Single Deck) in mm.	Page 1	WHEELBASE - 5537 mm (218") to 5639 mm (222')	Wheel base is chassis design parameter of OEMs and approved by ARAI as per CMVR norms. Request to provide range in Wheel Base - 5537mm (218") to 5700 mm(224") to accommodate the seating layout with proper leg space. Further the Tata offered chassis of 5700 mm(224") wheelbase has lesser turning radius for better manoeuvrability. All other major aggregates are the same for wheel base ranging from 5537mm-5700mm. We have supplied chassis 5700mm (224") to various STUs across the country and vehicles are running successfully. Further, we have also applied for revision of wheel base as required for BMTC tender. ARAI certification will take some addition time with this wheel base as required in BMTC tender. Request to allow tender participation with base chassis certificate with 224" wheel base. The revised chassis wheel base certificate shall be submitted at the time of proto approval.	Adhere to tender condition. Please refer the tender document uploaded on 21.02.2024

26	Annexure-D TECHNICAL SPECIFICATIONS , Point 3 - Engine	Page 2	a) The front mounted internal combustion engine shall be four stroke of HINO /CUMMINS/ EICHER make or equivalent, six cylinder, compression ignition, that runs on high speed diesel oil equipped with common rail direct injection high pressure pump and controlled by ECU's, conforming to BS-VI emission standard.	Request to modify to TataCummins Engine.	a) The front mounted internal combustion engine shall be four stroke of Ashok Leyland/Tata CUMMINS/ EICHER make or equivalent, six cylinder, compression ignition, that runs on high speed diesel oil equipped with common rail direct injection high pressure pump and controlled by ECU's, conforming to BS-VI emission standard.
27	Annexure-D TECHNICAL SPECIFICATIONS , Point 18 - Fuel & AdBlue Tank	Page 5	a) The fuel tank (Metallic only) shall conform to the specification of SAE 703 with a storage capacity of maximum 185 Litres c) The AD blue tank, if provided should have filling capacity of maximum capacity of 60 ltrs and also top-up level indication on the tank be provided.	Request to accept metallic or plastic fuel tank with Maximum250 Litres capacity as per approved ARAI. Request to accept top up indicator on cluster as per approved ARAI.	a) The fuel tank (Metallic only) shall conform to the specification of SAE 703 with a storage capacity of maximum 185 Litres c) The AD blue tank, if provided should have filling capacity of minimum 60 ltrs and also top-up level indication be provided in digital instrument cluster or on the tank.
28	Annexure-D TECHNICAL SPECIFICATIONS , Point 06 - SIDE STRUCTURE	Page 16	c) Octagon shape reinforcement plates of size 125 x 125 x 3 mm be provided	Welding of octagonal shape reinforcement plates is not possible since the windows are rubber mounted.	The request has been incorporated in the tender document
29	Annexure-D TECHNICAL SPECIFICATIONS , Point iv(8)(9) -ITS Integration	Page 50	8) Provide access to the data or fails to integrate with the BMTC ITS/AVLS shall be done within 45 days of commissioning of fleet. Penalty of Rs.750 per bus per week will be levied for failure. 9) If any partial data/no data/ delayed data / in accurate data is received from the devices, though the trip is operated completely, Penalty of Rs.500 per bus per week will be levied.	BMTC to nominate a single point of contact and to provide all documentation (PAN, AADHAR, Photo, Filled up form...Etc) required for integration, BMTC portal Server IP address and Port ID required for ITMS integration to be provided along with the LOA to complete the integration during trail phase. BMTC to provide backend server to integrate the data. The cost and monthly subscription of two sim card for every bus for ITMS to be borne by BMTC. Please add "subject to maximum of Rs. 5,000/- per vehicle.	The Server space will be provided by BMTC in Karnataka State Data Center. The Service provider shall deploy and maintain necessary software, licenses and subscriptions. The data shall be integrated with BMTC ITS Application through Application Programming Interface (API). All the necessary software required for integration shall be maintained by the service provider through out the contract period. 4G & above SIM card for both ATD and mNVR will provided by BMTC along with data plan [ATD device (4G & above)-500 MB minimum per month and for mNVR (4G & above)-2 GB minimum per month] For clause -8 and 9 adhere to tender conditions.

Clause No.	As per tender	To be read as
Page No.8 of 68 11.2 b (ii)	(ii) Details of experience and past performance of the tenderer on equipment offered and on those of similar nature within the past three years and details of current contracts in hand and other commitments (suggested proforma given in Section XII);	Clause deleted

CME, BMTC

CAO, BMTC

COSR, BMTC